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6 Pages

NPIC/R-246/64

April 1964

PHOTOGRAPHIC INTERPRETATION REPORT

NORTHEAST PROBABLE
ANTIMISSILE-MISSILE LAUNCH COMPLEX
LENINGRAD, USSR,

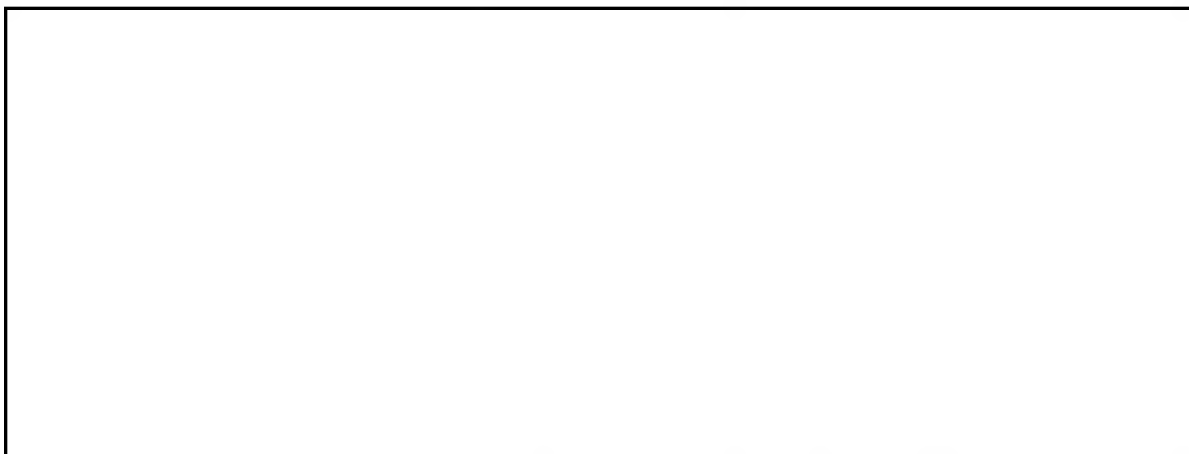
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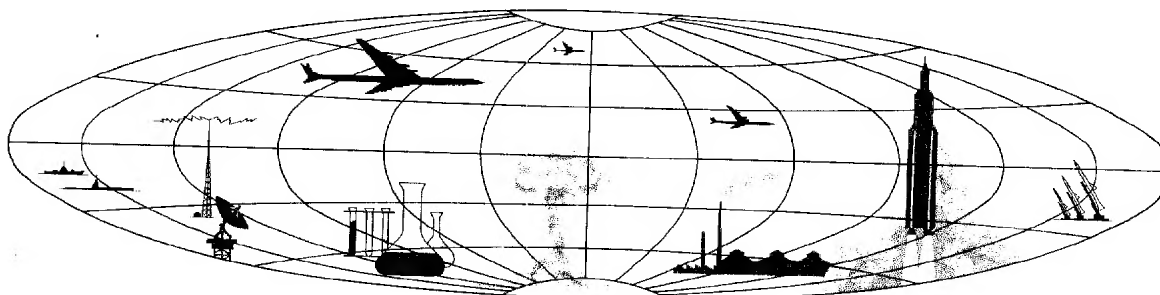
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NORTHEAST PROBABLE ANTIMISSILE-MISSILE LAUNCH COMPLEX
LENINGRAD, USSR, [REDACTED]

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The Leningrad Northeast Probable AMM Launch Complex [REDACTED] at 60-05-20N 30-44-00E (Figure 1) was observed on very good quality oblique stereo [REDACTED] photography from [REDACTED] with snow conditions prevailing. This photography permits a more detailed examination of facilities than was possible with smaller scale [REDACTED] photography from earlier missions. 1/ 2/

All measurements contained in this report are the best obtainable within the current limits of the [REDACTED] system and exploitation techniques. There being no means in the system for determining camera attitude, precise attitude is unknown and planned attitude is assumed. A full analysis of the metric characteristics of strip camera photography has not been completed. Wherever possible measurements have been cross-checked with collateral information.

This report was prepared in response to a CIA requirement requesting line drawings, mensuration, and new information. Line drawings of a typical launch site or segment thereof and of the Probable Complex Control Center with associated facilities are not feasible because of snow cover.

Significant information obtained from [REDACTED] and not obtainable from prior smaller scale [REDACTED] photography includes:

1. Apparent inactivity in the vicinity of the launch sites.
2. Number of bays (5) for each launch site curved building.
3. Height and width of measurable bays [REDACTED] [REDACTED] Note measurements statement.
4. Length, width, and height of all structures within the Support Area and the Barracks

Area. Note measurements statement. Line drawings of the support and barracks areas (inset, Figure 2) are provided to furnish building dimensions including heights where possible. No missiles, launchers, ground support equipment or track activity are visible in the vicinity of the launch sites. Possible trackage in the snow is visible within the Support Area and there are indications of minor trackage at the Barracks Area just outside the complex to the south. The main road bypassing the complex to the southeast had been cleared of snow and portions of the road leading to an entrance east of the Launch Area appeared to have been cleared.

At least ten small unidentified vehicles are observed on the main access road near the complex entrance.

At the northernmost launch site, circular areas approximately 35 feet in diameter are apparent near the apex of the triangular positions opposite four of the curved buildings. At least three of the revetments at the launch sites remain incomplete (Figure 2) and a previously reported 2/ linear possible excavation still is evident extending between two positions at the northernmost site.

No structures comparable to the electronic facilities observed at the northwest and southwest complexes have been erected northwest and southwest of the Probable Complex Control Center. A pattern of partially snow covered features at each of these positions may be footings for structures. They were not discernible on the prior smaller scale photography.

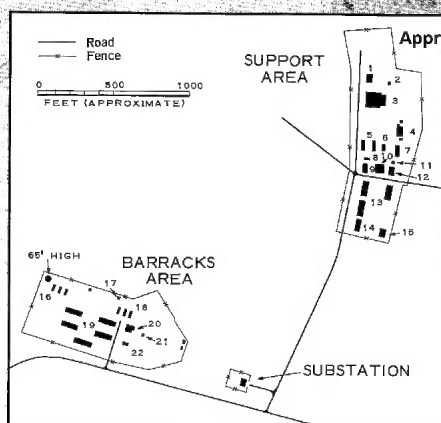
There are five openings along the outer and inner sides of the curved buildings at the launch sites indicating that each building

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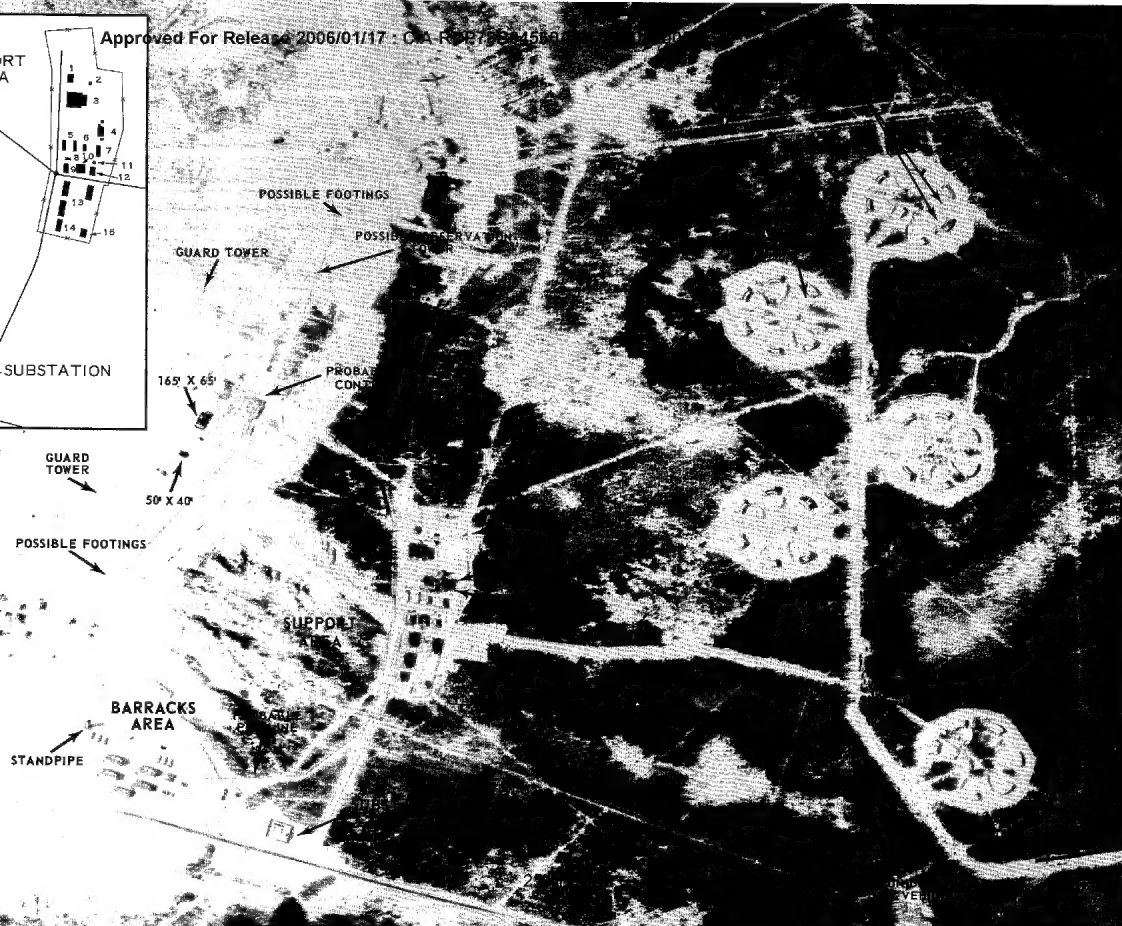
This map illustrates the Leningrad region, including the city of Leningrad and surrounding areas. The map shows the Gulf of Finland to the west, Lake Ladoga to the northeast, and the Neva River flowing into the city. Key locations marked include Kronshadt, Lomonosov, Krasnoye Selo, Gatchina, Vsevolozhskiy, Pushkin, Kolpino, Pilyanovka, Tosno, and Vyrissa. The map is divided into four quadrants: NORTHWEST, SOUTHWEST, NORTHEAST, and SOUTHWEST. Numerous SAM sites are indicated by symbols: solid circles for SA-2 SAM sites, open circles for SA-3 SAM sites, and triangles for SAM assembly/support facilities. Other symbols represent SAM ring roads, roads, single track railroads, double track railroads, probable AMM launch complexes, and possible AMM training facilities. A scale bar in nautical miles (0 to 10) is provided in the top right corner. The map also shows the Gulf of Finland, Lake Ladoga, and the Neva River.

FIGURE 1. PROBABLE AMM LAUNCH COMPLEXES AND SAM INSTALLATIONS NEAR LENINGRAD, USSR.



SUPPORT AREA			
BUILDING	LENGTH	WIDTH	HEIGHT
1	55'	50'	10'
2	20'	15'	20'
3	195'	105'	20'
4	80'	50'	20'
5 (2)	100'	20'	10'
6	60'	25'	15'
7	85'	55'	10'
8	35'	20'	10'
9	75'	50'	25'
10	85'	60'	10'
11	25'	25'	15'
12	65'	30'	15'
13 (3)	110'	60'	30'
14	85'	50'	30'
15	65'	45'	15'

BARRACKS AREA			
BUILDING	LENGTH	WIDTH	HEIGHT
16 (3)	60'	20'	5'
17	40'	20'	35'
18 (3)	65'	25'	15'
19 (5)	135'	40'	15'
20	70'	70'	15'
21	20'	20'	15'
22	40'	25'	15'



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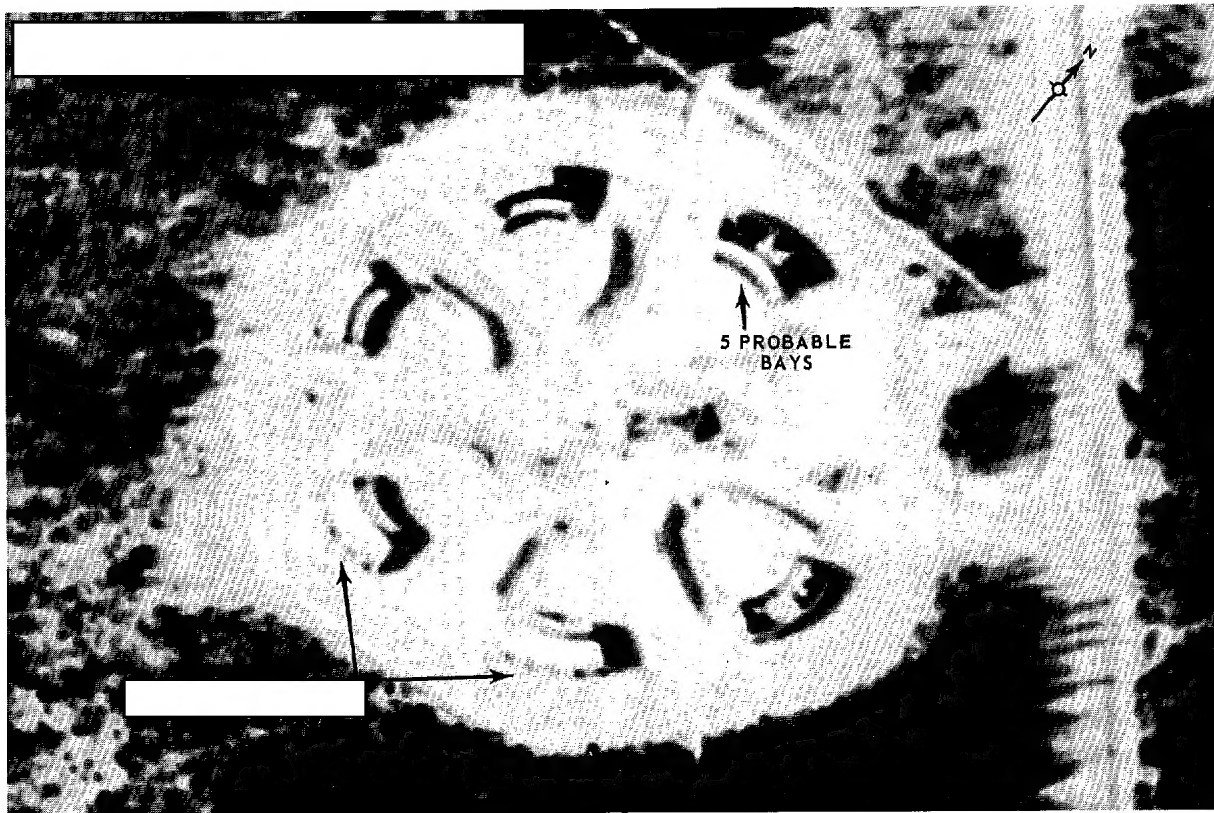


FIGURE 3. TYPICAL LAUNCH SITE

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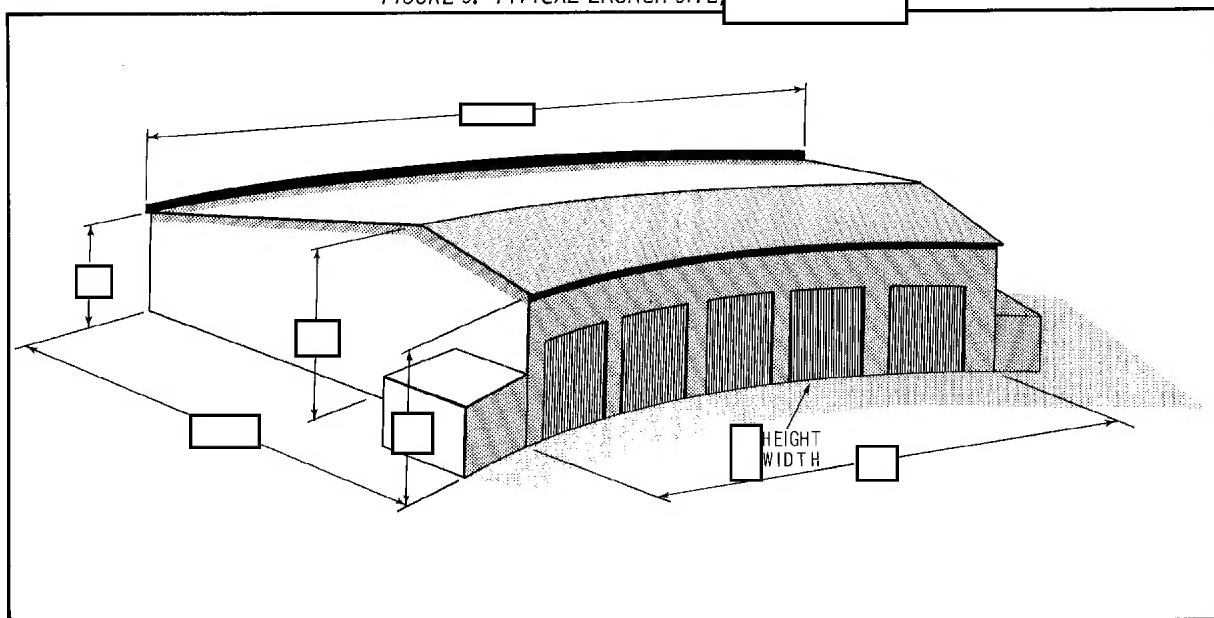


FIGURE 4. PERSPECTIVE OF CURVED BUILDING AT TYPICAL LAUNCH SITE.

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probably contains five bays (Figure 3). A perspective (Figure 4) of a typical launch site curved building portrays an impression of the buildings as observed on [] photography.

The Probable Complex Control Center appears essentially the same as it did on photog-

raphy of [] with snow cover, so construction progress cannot be evaluated. The building appears partially earth covered.

The complex is enclosed by double fencing with guard towers.

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REFERENCES

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MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)

DOCUMENTS

1. NPIC. R-135/62, *Antimissile Missile Activity in the USSR*, Oct 62 (TOP SECRET [])
2. NPIC. R-135/64, *Probable Antimissile-Missile Launch Complexes, Leningrad, USSR, Changes and Additions* []

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REQUIREMENT

CIA. ORR/C-RR4-81,217

NPIC PROJECT

N-392/64

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